

ABSTRACT

For TV broadcasting purposes encoding systems with related video encoders and audio encoders are used. The audio and video delay are aligned before multiplexing and transmitting the audio and video streams. According to a time stamping mechanism input time stamps are generated which become linked with data to be encoded, and are replaced before output by output time stamps, which are derived from the input time stamps by using a data delay constant. The input time stamps are used to control the delay of the encoding process and the output time stamps are indicating the output time. In order to allow a switchable output delay the data delay constant can be changed. Already assigned output time stamps remained unchanged. For data for which output time stamps are not already assigned, the output time stamps are calculated using the new delay constant.